

BANGALORE DIVISION.

Tender Notice dated 5th January 1938.

1. Sealed tenders will be received at the office of the Executive Engineer, Bangalore Division up to 2 P.M. on 2nd February 1938, for constructing buildings for the Fruit Orchard at Hesserghatta.
2. Tenders in the prescribed form obtainable from the office of the Executive Engineer, Bangalore Division, should be addressed to the Executive Engineer, Bangalore Division, in a sealed cover and superscribed as "Tender for Orchard Buildings at Hesserghatta." The name of the tenderer should also be superscribed on the top of the cover.
3. Each tender must be accompanied by a deposit of Rs. 1,160 (Rupees one thousand one hundred and sixty) in cash or Government Promissory Notes or Mysore Government Bonds, duly endorsed at face value or market value, whichever is less, as earnest money. The earnest money of the successful tenderer will be retained as security deposit for due fulfilment of the contract. Such a deposit in cash will not carry any interest.
4. The tenders will be opened in the presence of such tenderers who wish to be present on 2nd February 1938 at 3 P.M. The final acceptance of the tender will rest with the Chief Engineer, who does not bind himself to accept the lowest or any tender, or to assign any reason whatever for the rejection of any.
5. The name of the successful tenderer will be posted on the Notice Board in the Executive Engineer's office in due course. Within eight days of the acceptance of the tender, the successful tenderer will be required to execute an agreement in the departmental Schedule Contract form after depositing an addition sum of Rs. 1,160 for the due fulfilment of the contract, and for the execution of all items of work in accordance with the Bombay specifications (1931).
6. Failure to comply with the condition 5 above, or to agree to carry out the work in accordance with the specifications and agreements in force, will entail forfeiture of the earnest money.
7. The earnest money of rejected tenders will be returned on submission of the receipt originally granted, along with an application to the Executive Engineer.
8. Copies of contract documents, schedules and drawings may be seen at any time at the Executive Engineer's Office, Bangalore, on all working days, between 11 A.M. and 5 P.M. and may be obtained from that officer on payment of Rs. 10.
9. Specific rates should be given for each item in the schedule accompanying the tender and the rates should be in rupees, annas and pies and expressed in words and figures. Tenders offering a percentage reduction on the estimate amount will be rejected.
10. Any rates or lumpsum amounts for the items not called for, if tendered by the tenderer, will not be taken notice of. The rates for such items may be entered in a separate schedule with date and reasons for the same.
11. No alterations which are made by the tenderers in the tender form in the nomenclature of the items of work will be recognised and if corrections are made the tenders are liable to rejection.
12. There should be no alterations or erasures in the tenders in the rates of items and any corrections made in the rates should be attested to, and the number of corrections, if any, in each page noted at the foot of the same by the tenderer.
13. No reference should be made to the Public Works Department schedule of rates.
14. In the event of the tender being submitted by a firm, it must be signed separately and severally by each member thereof, or in the event of absence of any partner, it must be signed on his behalf by a person holding power of attorney authorising him to do so.
15. When once the rates tendered have been accepted, they will not be revised under any circumstances. In regard to items of work not tendered, the rates for the same will be calculated by the Executive Engineer, on the basis of current rates for materials and labour with a contractor's profit of 5 per cent as may be approved by the Superintending Engineer. This shall be final and legally binding on the tenderer.
16. The quantities given in the schedule are only approximate and the drawings shown to the contractor are only tentative and are liable to alterations, omissions, deductions, or additions at the discretion of the Executive Engineer or his representative. The tendered rates will hold good for any quantity, whether higher or lower than those given in the enclosed schedule.
17. The works should be completed and handed over in a tidy condition to the Public Works Department by the end of August 1938, failing which the Executive Engineer may, at his discretion, levy a penalty of Rs. 150 per day, which will ordinarily be calculated at 12 per cent per annum on the total outlay as liquidated damages for non-fulfilment of contract, and will be recovered from the contractor's outstandings for the period exceeded by him beyond the time fixed and until the work is completed and handed over.
18. In all matters of disputes of any kind not specially provided for in the agreement or of rates, penalties, measurements, quality of work, etc., the decision of the Superintending Engineer shall be final and legally binding.
19. No claim for damages for delays caused by officers of the department in the execution of the work will be considered, whatever may be the reasons for such delays. Contractors should bear this in mind when tendering for the work. Extension of time due to delays caused by the departmental officers will however be considered on the merits of each case.

20. The contract should not be sublet.

21. All materials, tools and plant and machinery that will be supplied by the Executive Engineer in the interest of the work shall be accepted by the tenderer at the rates fixed by the Executive Engineer. The tenderer will pay the hire on tools and plant and machinery as per rules from the date of taking over of such machinery, tools and plant from the Stores to the date of return thereto, the dates considered being the dates of acknowledgments of the vouchers in each transaction.

22. The contractor should arrange for the payment of royalty and tolls.

Note.—(a) The contractor should at his own cost—

- (1) Provide rods, stakes, ropes and labour required in setting out the works.
- (2) Provide all necessary scaffolding, centering, labour and appliances for hoisting.
- (3) Provide mortar-mills and sheds to keep materials under cover and also for workmen.
- (4) Arrange for protecting work during inclement weather.
- (5) Supply requisite temporary lights, water cisterns, water pumps and hoses, sieves, parabs, shoring, strutting and other requisite protective appliances during the progress of the work.
- (6) Supply all water required for work and workmen and shall provide temporary latrines and drains.
- (7) Clean away all dirt, rubbish, superfluous materials and debris as they accumulate.
- (8) Provide arrangements for pumping and baling of water from excavations and foundations wherever and whenever necessary with his own pumping apparatus including necessary leading drains, slump pits, etc.
- (9) Afford facilities to any other parties employed upon the work by the P. W. D., so that their work may proceed during the progress of the contract, and give such persons the use of ordinary scaffolding and ladders.
- (10) The contractor is responsible for all accidents to workmen, etc., on the work and he must take precaution against all risk of accidents and if necessary provide for the same by Insurance at the proper time.

Note.—(b) It is the business of the contractor to make his own arrangements for quarries and supplies of materials.

Approximate quantities required for the construction of Buildings for the Fruit Orchard at Hesserghatta.

No.	Items of work	Unit	Sanctioned		Rate quoted in	
			Rate	Quantity	Figures	Words
	<i>Office Block.</i>		Rs. a. p.			
1	Earthwork excavation and filling in basement	C.yd.	0 3 0	88		
2	Burnt stone jelly concrete in chunam mortar	C.ft.	0 3 9	804		
3	Filling foundation with size stone in clay with bond stones at every 6 ft.	„	0 3 6	1,320		
4	Basement with size stone in clay with bond stones at every 6 ft. in each layer	„	0 3 9	962		
5	Burnt stone slabs 6" thick one line dressed	S.ft.	0 5 0	628		
6	Burnt brick in clay	C.ft.	0 3 6	2,568		
7	Burnt brick in mortar	„	0 4 3	577		
8	Teakwood doors with 1½" thick shutters ½ pannelled and ¾ glazed with iron clamps fittings, etc., complete with wooden stoppers	S.ft.	1-12-0	96		
9	Teakwood windows with ¾" dia. iron bars with 1½" thick pannelled shutters outside, inside glazed shutters with iron clamps fittings, etc., complete	„	2 4 0	263		
10	Providing and fixing R.C.C. ventilators	„	0 12 0	63		
11	Roofing with reinforced cement concrete as per standard specification with weathering coat, etc., including cement plastering etc., complete	Sqr.	70 0 0	21·60		

No.	Items of work	Unit	Sanctioned		Rate quoted in	
			Rate	Quantity	Figures	Words
			Rs. a. p.			
12	Chunam plastering	Sqr.	3 0 0	54.83		
13	White-washing two coats	"	0 4 0	54.83		
14	Providing cut stone circular pillars 10 ft. high and 1 foot diameter with base and cap, etc.	Each	30 0 0	10		
15	Block cornice 6" including chunam plastering	R.ft.	0 4 0	268		
16	Burnt brick in mortar parapet wall 3' wide and 2' high with intermediate pillasters with top moulding and chunam plastering, etc., complete	"	0 8 0	262		
17	Flooring with 1½" thick cement con- crete over 3" burnt stone jelly con- crete in lime mortar finished with ½" thick cement plaster mixed with red ochre and cut into squares, etc.	Sqr.	19 0 0	18.45		
18	Providing, hoisting and fixing rolled steel girders and joists with 1 coat of anti-corrosive paint	Cwt.	15 0 0	82.58		
19	Boxing girders with cement concrete hyrib and cement plastering, etc.	R.ft.	0 8 0	160		
20	Boxing joists 6"×3" with cement con- crete hyrib and cement plastering, etc.	"	0 4 0	74		
21	Silicate painting two coats (silver grey) for doors and windows	Sqr.	5 0 0	9.80		
22	Cement pointing to basement	"	3 8 0	4.24		
23	Providing and fixing cast iron down water pipes 3" dia. including bends, clamps, etc., complete	R.ft.	0 8 0	160		
24	Providing and fixing teakwood parti- tion with ½" planks with frames 3"×4" in section with a doorway including wood oiling, etc., com- plete	S.ft.	1 4 0	240		
<i>Cattle Shed and Store Room.</i>						
1	Earthwork excavating foundation and filling in basement	C.yd.	0 3 0	17		
2	Filling in foundation with size stone in clay with bond stones at every 6 ft. in each layer	C.ft.	0 3 6	433		
3	Basement with size stone in clay with bond stones at every 6 ft. in each layer	"	0 3 9	37		
4	Burnt brick in clay superstructure	"	0 3 6	1,380		
5	Burnt stone slabs 6" thick one line dressed and fixed in mortar	S.ft.	0 5 0	82		
6	Providing and fixing burnt stone slab pillars two line dressed with notch, etc.	"	0 8 0	48		
7	Burnt stone jelly concrete in lime mortar	C.ft.	0 4 0	14		
8	Burnt brick in mortar for sides of doors and windows	C.ft.	0 4 3	50		
9	Teakwood battened door with 4"×3" frame and 1½" thick shutters with iron clamps and fittings, etc., com- plete	S.ft.	1 4 0	19½		

No.	Items of work	Unit	Sanctioned		Rate quoted in	
			Rate	Quantity	Figures	Words
			Rs. a. p.			
10	Teakwood batted windows with $\frac{3}{4}$ " dia. iron bars $1\frac{1}{4}$ " thick shutters with iron clamps and fittings, etc., complete	S.ft.	1 12 0	24		
11	Providing and fixing R.C.C. ventilators	"	1 12 0	27		
12	Teakwood work wrought and put up including wood oiling	C.ft.	5 0 0	64.56		
13	Roofing with 1st Class Mangalore tiles on 2"×1" teak batten wood oiled including nails, etc., complete	Sqr.	22 0 0	12.81		
14	Ridge tiles set in mortar and pointed with cement	R.ft.	0 7 0	61		
15	Chunnam borders over roof	"	0 4 0	40		
16	Teakwood eave board plain 9"× $\frac{1}{2}$ "	"	0 6 0	122		
17	Chunnam plastering two coats $\frac{3}{4}$ " thick	Sqr.	3 0 0	24.69		
18	White washing two coats	"	0 4 0	24.69		
19	Flooring with 3" thick burnt stone slabs over 3" thick burnt stone jelly concrete in lime mortar and pointing with cement	"	19 0 0	6.15		
20	Chocolate painting two coats	"	3 8 0	2.70		
21	Pointing with lime mortar	"	1 8 0	1.32		
<i>Grafting and Potting Shed.</i>						
1	Earthwork excavation and filling in basement	C.yd.	0 3 0	274		
2	Filling foundation with size stone in clay with bond stones at every 6 ft. in each layer	C.ft.	0 3 6	252		
3	Basement with size stone in clay with bond stones at every 6 ft. in each layer	"	0 3 9	94		
4	Burnt brick in clay superstructure	"	0 3 6	607		
5	Burnt brick in mortar	"	0 4 3	86		
6	Burnt stone slabs 6" thick one line dressed fixed in mortar	S.ft.	0 5 0	92		
7	Burnt stone slab pillar 6" thick two line dressed and fixed including a notch at top	"	0 8 0	50		
8	Burnt stone jelly concrete in lime mortar	C.ft.	0 4 0	17		
9	Providing and fixing R.C.C. ventilators	S.ft.	0 12 0	22		
10	Teakwood wrought and put up including wood oiling	C.ft.	5 0 0	40.55		
11	Roofing with 1st class Mangalore tiles on 2"×1" batten wood oiled including nails, etc., complete	Sqr.	22 0 0	7.68		
12	Ridge tiles set in mortar and pointed with cement	R.ft.	0 7 0	48		
13	Teakwood eave board plain 9"× $\frac{1}{2}$ "	"	0 6 0	96		
14	Plastering with chunnam mortar two coats $\frac{3}{4}$ " thick	Sqr.	3 0 0	13.20		
15	Whitewashing two coats	"	0 4 0	13.21		
16	Flooring with 3" thick granite slab on 3" lime concrete bed including cement pointing	"	35 0 0	3.85		
17	Pointing with lime mortar	"	1 8 0	1.30		
18	Binding wall over roof with burnt brick in mortar 9"×9" and chunnam plastering	R.ft.	0 4 0	30		

No.	Items of work	Unit	Sanctioned		Rate quoted in	
			Rate	Quantity	Figures	Words
	<i>Manager's Quarters.</i>		Rs. a. p.			
1	Earthwork excavation and filling in basement	C.yd.	0 3 0	39		
2	Filling foundation with burnt stone jelly concrete in lime mortar	C.ft.	0 3 9	227		
3	Filling foundation with size stone in clay with bond stones at 6 ft. apart in each layer	"	0 3 6	839		
4	Basement with size stone in clay with bond stones at 6 ft. apart in each layer	"	0 3 9	506		
5	Burnt stone slabs 6" thick one line dressed and fixed in mortar	S.ft.	0 5 0	290		
6	Burnt brick in clay superstructure	C.ft.	0 3 6	1,494		
7	Burnt brick in mortar for sides of doors and windows	"	0 4 3	560		
8	Cut stone pillar 9"×9" and 8' high with base and caps two line dressed	Each	20 0 0	6		
9	Teakwood doors with battened shutters 1½" thick with iron clamps and fittings, etc., complete	S.ft.	1 4 0	195		
10	Teakwood battened windows with ¾" iron bars and 1½" thick shutters	"	1 12 0	99		
11	Providing and fixing R.C.C. ventilators	"	0 12 0	45		
12	Providing hoisting and fixing rolled steel joists with one coat of anti-corrosive paint	Cwt.	15 0 0	5.10		
13	Roofing with reinforced cement concrete roof including weathering coat cement plastering, etc.	Sqr.	70 0 0	6.51		
14	Teakwood work wrought and put up including wood oiling, etc., complete	C.ft.	5 0 0	20.88		
15	Roofing with 1st class Mangalore tiles on 2"×1" teak batten wood oiled including nails, etc., complete	Sqr.	22 0 0	4.80		
16	Providing and fixing ridge tiles in mortar and pointing with cement	R.ft.	0 8 0	130		
17	Plastering with chunnam mortar two coats ¾" thick	Sqr.	3 0 0	42.87		
18	Whitewashing two coats	"	0 4 0	42.87		
19	Flooring with 1½" thick cement concrete over 3" stone jelly concrete and plastered with cement mortar ½" thick mixed with red ochre and cut into squares	"	19 0 0	16.99		
20	Coping over ¾' wide compound wall with burnt brick in mortar including chunnam plastering, whitewash, etc.	R.ft.	10 3 0	65		
21	Chocolate painting two coats	Sqr.	3 8 0	5.88		
22	Plain cornice 6" deep with burnt brick in mortar including plastering, white wash, etc., complete	R.ft.	0 4 0	144		
23	Burnt brick in mortar parapet wall ¾'×2' including plastering, moulding, whitewash, etc., complete	"	0 8 0	138		
24	Providing and fixing mortar and pestle stones	Each set.	5 0 0	2		
25	Providing teakwood railing in front verandah between pillars with top railing, etc., complete	S.ft.	0 8 0	60		

No.	Items of work	Unit	Sanctioned		Rate quoted in	
			Rate	Quantity	Figures	Words
			Rs. a. p.			
	<i>S. C. Assistant's Quarters.</i>					
1	Earthwork excavating foundation and filling in basement	C.yd.	0 3 0	34		
2	Burnt stone jelly concrete in lime mortar	C.ft.	0 3 9	195		
3	Filling foundation with size stone in clay.	"	0 3 6	721		
4	Basement with size stone in clay with bond stones at 6 ft. apart in each layer	"	0 3 9	407		
5	Burnt brick in clay superstructure	"	0 3 6	1,069		
6	Burnt brick in mortar	"	0 4 3	497		
7	Providing and fixing cut stone pillars $\frac{3}{4} \times \frac{3}{4}$, 8' high two line dressed with base and cap	Each	20 0 0	4		
8	Burnt stone slabs 6" thick one line dressed and fixed in mortar	S.ft.	0 5 0	270		
9	Teakwood doors with $1\frac{1}{2}$ " thick battened shutters, 4×3 " frames with iron clamps and fittings, etc., complete	"	1 4 0	191		
10	Providing and fixing teakwood windows with $\frac{3}{4}$ " dia. iron bars, $1\frac{1}{2}$ " thick battened shutters with iron clamps and fittings, etc., complete with wooden stoppers	"	1 12 0	121		
11	Teakwood wall shelves with cross planks, battened shutters with iron clamps and fittings, etc., complete.	"	1 4 0	14		
12	Providing and fixing R.C.C. ventilators	"	0 12 0	9		
13	Roofing with reinforced cement concrete with weathering coat and cement plastering, etc., complete	Sqr.	70 0 0	4.59		
14	Teakwood rafters $2\frac{1}{2}$ ' centre to centre including wood oiling two coats and wall plasters tarred	C.ft.	5 0 0	20.88		
15	Roofing with 1st class Mangalore tiles on 2×1 " teak batten, wood oiled including nailing, etc., complete	Sqr.	22 0 0	4.80		
16	Providing and fixing ridge tiles in mortar and pointed with cement	R.ft.	10 8 0	30		
17	Chunam plastering, two coats $\frac{3}{4}$ " thick	Sqr.	3 0 0	35.14		
18	White washing, two coats	"	0 4 0	35.14		
19	Flooring with $1\frac{1}{2}$ " thick cement concrete over 3" stone jelly concrete in lime mortar with $\frac{1}{2}$ " thick cement plastering on top mixed with red ochre and cut into squares	"	19 0 0	5.58		
20	Burnt brick in mortar coping over 9" compound wall including chunam plastering white wash, etc., complete	R.ft.	0 3 0	54		
21	Chocolate painting, two coats	Sqr.	3 8 0	6.24		
22	Providing and fixing mortar and pestle	Each set.	5 0 0	2		
23	Providing and fixing teakwood railing in front verandah as per design	S.ft.	0 8 0	20		
24	Burnt brick in mortar, plain cornice as per design including plastering, white wash, etc., complete	R.ft.	0 4 0	110		

No.	Items of work	Unit	Sanctioned		Rate quoted in	
			Rate	Quantity	Figures	Words
			Rs. a. p.			
25	Burnt brick in mortar parapet wall 9"×1½' as per design including chunam plastering, white wash, etc., complete	R.ft.	0 8 0	115		
26	Providing, hoisting and fixing rolled steel joists including one coat of anti-corrosive paint	Cwt.	15 0 0	2.33		
	<i>Foremen's Quarters.</i>					
1	Earthwork excavating foundation and filling in basement	C.yd.	0 3 0	36		
2	Filling foundation with burnt stone jelly concrete in lime mortar	C.ft.	0 3 9	107		
3	Filling foundation with size stone in clay with bond stones at 6 ft. apart in each layer	C.ft.	0 3 6	841		
4	Basement with size stone in clay with bond stones at 6 ft. apart in each layer	"	0 3 9	388		
5	Burnt brick in clay superstructure	"	0 3 6	1,245		
6	Burnt brick in mortar	"	0 4 0	277		
7	Burnt stone slabs 6" thick one line dressed and fixed in mortar	S.ft.	0 5 0	173		
8	Teakwood doors with frames 3"×4" and shutters battened 1½" thick with iron clamps and fittings and wooden stoppers, etc., complete	"	1 4 0	60		
9	Asbestos sheet light doors with teakwood 3"×2" frames, complete with fittings in 4½" thick walls	"	0 12 0	75		
10	Teakwood windows with iron bars and 1½" thick battened shutters with iron clamps and fittings complete	"	1 12 0	21		
11	Teakwood work wrought and put up including wood oiling for rafters and tarring to wall plates, etc., complete	C.ft.	5 0 0	42.02		
12	Roofing with 1st class Mangalore tiles on 2"×1" teak batten including nailing, etc., complete	Sqr.	22 0 0	12.16		
13	Ridge tiles set in mortar and pointed with cement	R.ft.	0 7 0	38		
14	Chunam borders over roof	"	0 4 0	96		
15	Chunam plastering, two coats ¾" thick	Sqr.	3 0 0	39.15		
16	Whitewashing, two coats	"	0 4 0	39.15		
17	Coping over ¾' wide compound wall with burnt brick in mortar and plastering with chunam mortar and whitewashing, etc.	R.ft.	0 3 0	102		
18	Flooring with 1½" thick cement concrete over 3" burnt stone jelly concrete in lime mortar and plastering with cement mortar mixed with red ochre ½" thick and cut into squares, etc., complete	Sqr.	18 0 0	7.52		
19	Brick wall 4½" wide in mortar mixed with cement, 10:1 in proportion	S.ft.	0 4 0	186		
20	Providing mortar and pestle stones	Each set.	5 0 0	2		
21	Gravel flooring ¾' wide including consolidation	Sqr.	1 4 0	4.02		

No.	Items of work	Unit	Sanctioned		Rate quoted in	
			Rate	Quantity	Figures	Words
22	Chocolate painting to doors and windows	Sqr.	Rs. a. p. 3 8 0	3.12		
23	Providing teakwood eave board 6"× $\frac{3}{4}$ " plain and fixing	R.ft.	0 6 0	140		
	<i>Quarters for Laboratory attender and two peons, 3 Blocks as per details for 4 blocks given below.</i>					
1	Earthwork excavating foundation and filling in basement	C.yd.	0 3 0	34		
2	Filling foundation with burnt stone jelly concrete in lime mortar	C.ft.	0 3 9	170		
3	Filling foundation with size stone in clay with bond stones at every 6 ft. in each layer	"	0 3 6	746		
4	Basement with size stone in clay with bond stones at 6' apart in each layer	"	0 3 9	319		
5	Burnt brick in clay superstructure	"	0 3 6	1,932		
6	Burnt brick in mortar	"	0 4 0	516		
7	Burnt stone slabs 6" thick one line dressed and fixed in mortar	Sft.	0 5 0	170		
8	Teakwood battened doors with frames 3"×4" in section and shutters 1 $\frac{1}{4}$ " thick with iron clamps and fittings, etc., complete	"	1 4 0	180		
9	Teakwood windows with $\frac{3}{4}$ " iron bars battened shutters 1 $\frac{1}{4}$ " thick with iron clamps and fittings, etc., complete	"	1 12 0	80		
10	Teakwood work wrought and put up including two coats of wood oiling	C.ft.	5 0 0	65.75		
11	Roofing with 1st class Mangalore tiles on teak batten 2"×1" wood oiled including nailing, etc., complete	Sqr.	22 0 0	18.38		
12	Ridge tiles set in mortar and pointed with cement	R.ft.	0 7 0	63		
13	Chunnam borders with brick in mortar and chunnam plastering, etc., complete	"	0 4 0	146		
14	Chunnam plastering two coats $\frac{3}{4}$ " thick	Sqr.	3 0 0	64.23		
15	Whitewashing, two coats	"	0 4 0	64.23		
16	Coping with burnt brick in mortar over $\frac{3}{4}$ ' wide compound wall and plastering with chunnam mortar including whitewash, etc., complete	R.ft.	0 3 0	110		
17	Flooring with 1 $\frac{1}{2}$ " thick cement concrete over 3" burnt stone jelly concrete in lime mortar and plastered with $\frac{1}{2}$ " thick cement mortar mixed with red ochre and cut into squares	Sqr.	18 0 0	10.30		
18	Burnt brick wall 4 $\frac{1}{2}$ " wide in mortar mixed with cement 10 : 1 in proportion	S.ft.	0 4 0	120		
19	Providing and fixing mortar and pestle stones	Each pair	5 0 0	4		
20	Gravel flooring to open yard $\frac{3}{4}$ " thick including consolidation	Sqr.	1 4 0	5.60		
21	Chocolate painting two coats to doors and windows	"	3 8 0	5.20		
22	Providing and fixing teakwood eave board 6"× $\frac{3}{4}$ " including two coats of chocolate painting	R.ft.	0 6 0	184		

N. LAKSHMINARASIMHAIA,
Executive Engineer.